



<http://www.mn-arts.org/>

January 2024 Edition

January Meeting Minutes:

Bob Liesenfeld, WB0POQ, called the meeting to order at the Minnetonka Community Center on January 6, 2024 at 1:05 PM. 14 members were in attendance.

- The meeting minutes for the December 2023 meeting were approved.
- The Treasurer was absent, so no report.

Old Business:

Steve Ulrich, NW0C, will make a group buy of component testing kits for March's build-a-thon.

Steve also contacted several libraries about potential future meeting space, but the search is ongoing.

New Business:

David Swymeler became a new member. He's a retired machinist from Edina, and currently studying for his license. Welcome, David!

Harry Johnson, KF0MAB, suggested a membership page for the website, so that members could contact one another directly.

Zoom: the club would like to re-start recording meeting and presentations, but the subscription is \$150/year. We're currently researching other options, plus any necessary camera and audio equipment. Steve Ulrich volunteered to reach out to Dan N0FB of the St. Paul Radio Club for advice on getting things set up.

Discussion:

John Krawczak, KJ0P, brought up an article about thermal transistors which led to a lively conversation about what they might be used for. Sorry, John, I missed the name of the actual article you were referencing, but here are a couple that seem relevant:

- "[Thermal Transistors Handle Heat with No Moving Parts](#)", IEEE Spectrum, 13 November 2023.

- "[An Electrochemical Thermal Transistor](#)", Nature Communications 9, 2018.

Club Officers:

President: Bob Liesenfeld/WB0POQ
Vice Pres: Chuck Stroud/KA8HDE
Secretary: Cena Mayo/KY1V
Treasurer: Paul Bushouse/N0TYE
At Large: Ken Paulsen/N0HRL

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Show and Tell:

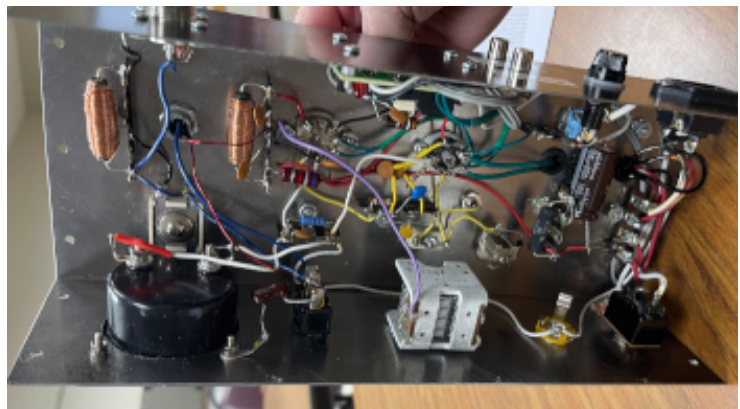
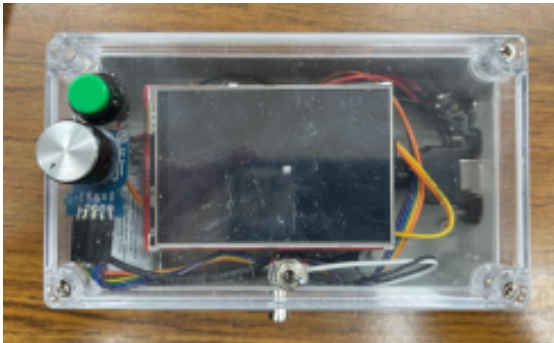
Mike Burk, KD0JXE, brought in his new [QYT KT K8900R](#), a tribander.



Steve Ulrich, NW0C, brought in a 80/40m transmitter he built out of a 1960s-era QST. It puts out 7-8 watts.



And an antenna analyzer he built a few years back:



Presentation:

We watched a video of Dr. Scott McIntosh discussing the current solar cycle and how solar scientists predict and revise estimations of sunspot activity.

You can watch it [here](#) (Youtube link).

Interesting Links

[The Design of a Coherent CW Transceiver for Weak Signal Communications](#) (N2APB)

[United States Early Radio History](#) (1897-1927)

[GOMRF's Project Web-Site](#) ("Amateur radio projects from 73kHz to 447THz")

Upcoming Events

27 January: St. Paul Radio Club's annual [auction](#).

27-28 January: [Winter Field Day](#)

3 February: [Minnesota QSO Party](#)

Next Meeting:

Saturday, February 3, 2024, at 1PM at the Minnetonka Community Center.

Tiny Book Review : *The QSL Book*, by Floyd Larck, KK3Q (2013)

[The QSL book](#) site, \$1.99 at Apple Books

I have a mild obsession with QSL cards, and have developed something of a sub-hobby in reading about them, looking at pictures of them, designing my own, just about everything except actually sending (and receiving) them.

Floyd's book is meant to answer all the questions new hams may have about QSL cards. He explains how the bureau/buro system works, etiquette, good card design, awards, personal anecdotes from a 'then and now' perspective, etc. It's short (about 65 pages) and well-written, and I recommend it for all your QSL questions!

ed note: If you have links, kit reviews, book reviews, articles, or any other content that would be of interest to MN-ARTS members, please let me know! My email's in the footer. Happy to include them here or on the website. 73 - Cena KY1V

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